



UNITED STATES PATENT AND TRADEMARK OFFICE

fw
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/791,052	03/01/2004	Kuo Tsung-Jung	251209-1150	2867
24504	7590	07/27/2006	EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			KAYRISH, MATTHEW	
			ART UNIT	PAPER NUMBER
			2627	

DATE MAILED: 07/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/791,052	TSUNG-JUNG, KUO
	Examiner Matthew G. Kayrish	Art Unit 2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 19 May 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 20-25 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 20-25 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 01 March 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.
 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-19 have been considered but are moot in view of the new ground(s) of rejection. Claims 1-19 have been canceled. Claims 20-25 have been added.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 20, 22, 23 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Shirashima et al (US Patent Number 6275465).

Regarding claim 20, Shirashima et al disclose:

A disk-anchoring device of an optical disk device, comprising:

A Substrate (figure 1, item 23);

A clamper frame (figure 1, item 26) for holding a clamper (figure 1, item 27), pivoted (figure 2, pivots by items 23b and 28) on said substrate (figure 2, item 23) and having a first protrusion portion (figure 2, item 29);

A sliding element (figure 1, item 33), movably mounted on said substrate (column 6, lines 37-41) and having an inclined portion (figure 1b, item 33b);

Wherein, when said sliding element is moved on said substrate, said first protrusion portion is relatively moved along said inclined portion (column 6, lines 41-52) so as to swing said clamper frame (swinging displayed by figs. 1a and 1b).

Regarding claim 22, Shirashima et al disclose:

The disk-anchoring device as claimed in claim 20, further comprising an elastic element (figure 2, item S) disposed on said substrate (figure 2, connected to substrate via 23c) and providing a force (column 5, lines 16-20) on said clamper frame (force indicated by arrows a₁ & a₂).

Regarding claim 23, Shirashima et al disclose:

The disk-anchoring device as claimed in claim 20, wherein said clamper frame (figure 2, item 26) has a clamping flange (figure 1, item 35), and said clamper is mounted on said clamping flange (figure 1, item 27 is supported by item 35).

Regarding claim 25, Shirashima et al disclose:

The disk-anchoring portion as claimed in claim 20, wherein said sliding element further has a third protrusion portion (figure 1, item 33B), and before a disk is loaded into the optical disk device (position of figure 1A), said third protrusion portion (figure 1, item 33B) contacts (#29 contacts #33B) and supports said first protrusion portion (figure 1, item 29 is supported by item 33B).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shirashima et al, in view of Ota et al (US Patent Number 6721263).

Regarding claim 21, Shirashima et al fail to disclose:

A disk-anchoring device with a magnetic element in the clamper.

Ota et al disclose:

A disk-anchoring device with a magnetic element in the clamper (column 1, lines 38-41).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to used a disk clamper with a magnet, so as to attract the turntable to clamp the disk.

6. Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shirashima et al, in view of Haga (US Patent Number 6535476).

Regarding claim 24, Shirashima et al fail to disclose:

A disk-anchoring device with a sliding element that further has a second protrusion portion, and after a disk is loaded into the optical disk device, said second protrusion portion abuts and pushes a first protrusion portion.

Haga discloses:

A clamper frame (figure 5, item 1) with a first protrusion (figure 5, item 1b);

A disk-anchoring device with a sliding element (figure 5, item 10) that further has a second protrusion portion (figure 5, item 10b), and after a disk is loaded into the optical disk device (position of figure 6), said second protrusion portion (figure 5, item 10b) abuts (#10b contacts #1b) and pushes a first protrusion portion (figure 5, item 1b).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the disk clamping device of Shirashima et al with a second protrusion, as taught by Haga, because this second protrusion will stop the sliding element from sliding any further into the clamped state. If the clamper presses too hard on the disk, damage can result, therefore, the second protrusion to stop the sliding element from clamping too hard and damaging a disk would be necessary.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew G. Kayrish whose telephone number is 571-272-4220. The examiner can normally be reached on 8am - 5pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information

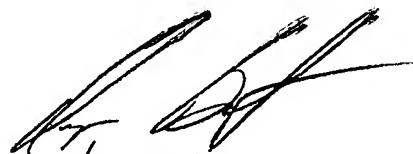
for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew G. Kayrish

7/11/2006

MK





Admin SPG
AU 2626 / 2627